MES COLLEGE OF ENGINEERING, KUTTIPPURAM
DEPARTMENT OF COMPUTER APPLICATIONS
20MCA245 – MINI PROJECT

PRO FORMA FOR THE APPROVAL OF THE THIRD SEMESTER MINI PROJECT

(Note: All entries of the pro forma for approval should be filled up with appropriate and complete information. Incomplete Pro forma of approval in any respect will be rejected.)

Mini Project Proposal No : 1
(Filled by the Department)

Academic Year   : 2020-2022

Year of Admission   : 2020

1. Title of the Project   : SOCIAL NETWORK USING CHATBOT

2. Name of the Guide   :

3. Number of the Student: MES20MCA-2058

4. Student Details (in BLOCK LETTERS)
5. Name   Roll Number   Signature

   1. UMMU HABEEBA T   MES20MCA-2058

Date:1/12/21

Approval Status :   Approved / Not Approved

Signature of
Committee Members

Comments of The Mini Project Guide   Dated Signature

Initial Submission   :

First Review   :

Second Review   :

Comments of The Project Coordinator   Dated Signature

Initial Submission:

First Review

Second Review

Final Comments :   Dated Signature of HOD

SOCIAL NETWORK USING CHATBOT
UMMU HABEEBA T

Introduction

A chatbot is a synthetic agent which will communicate with a user. Most are enables with a messenger interface with an input from a user and an output from the Chatbot. most elementary chat bots work by matching an users input with a predefined set of dialog. as an example, a user saying "Thank you" will end in the chatboat saying "You're Welcome".

People often use terms like chatbot, virtual personal assistant, automation and AI exchangeable. But, there's a key difference between AI chatbot and just plain chatbots - to know the difference between AI and automatic. Drift's chatbot follow rules which are set in advance. In other words, they stick to the script, so that sales and marketing teams can answer the identical questions needed to sell to their customer. If you remember at our playbooks, you'll get a way of how this process works. Users begin the bot-building process by selecting the kind of conversation they'd prefer to founded . Rule-based chat bots aren't programmed to retort to changes in language, rather they need a structured dialog that answers specific questions by matching the user input to programmed answers. An AI chatbot is instruct to work more or less on its own, employing a process referred to as Natural Language Processing, or NLP, is combined with AI and therefore the annotation of human data. AI Chatbot get smarter over time
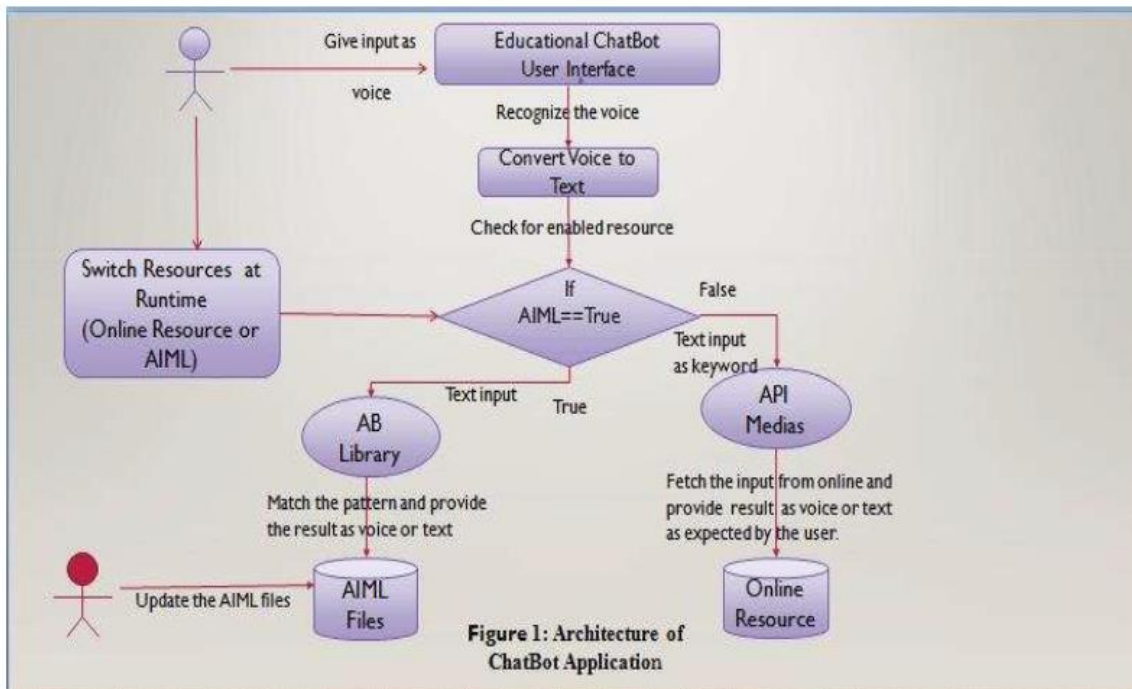
Objectives

Main objective of this paper is to form an intelligent AIML based chatbot that may allow a person's interacting with the bot to possess an ongoing, interesting and enriched conversation featuring searched information from Google. Another objective of this paper is we'll attempt to build a chatbot that may incorporate a standard sense database to supply simple but relevant responses while chatting. we'd like to successfully parse human input and find the foremost relevant keywords with some understanding of the context. Digital assistants work with human agents to produce user support. Chatbots are accustomed both market products and enable their purchases.

Problem statement

The chatbots is straightforward to use, respond in an exceedingly timely fashion and be all round user friendly. The bots make the users interaction as easy and fast as possible to make sure that the users time isn't wasted which they get what they need with none difficulty or misunderstanding from the bot. The conversation flow and always keep the user on top of things of the conversation. Users should come faraway from their experience with the chatbot and think that it absolutely was a fun, easy to use and simple interaction that may encourage them to return back with none hesitation. With messaging platforms being the foremost used kind of application within the world, businesses are going to be looking to require advantage of this and begin to develop their own chatbots to figure together with their social media pages. Nowadays there's an lots of applications available and most users are going to be bored stiff of getting to download an application that they'll only use once or twice.

Basic Functionality

<u>System Architecture</u>

Figure 1: Architecture of ChatBot Application

The main features of our system are:

• All communications to and from the server is text and XML formatted.

• XML messages conform to a schema which describes the format.

• Communications with the server is recording equipment oriented and parses incoming XML messages seamlessly.

 • The user is allowed to register and login to the system with authenticated, personalized and controlled communication with the server.

 • The client applet provides the user two options: text input or voice input.

• The self-training AI module prevents a service bottleneck, and thus prevents modules from competing for resources.

SOFTWARE REQUIREMENT SPECIFICATION

Hardware Specifications

The selection of hardware is very important in the existence and proper working of any   software. Then selection hardware, the size and capacity requirements are also important.

- Processor : Intel Pentium Core i3 and above
- Primary Memory : 4GB RAM and above
- Storage : 320 GB hard disk and above
- Display : VGA Color Monitor
- Key Board : Windows compatible
- Mouse : Windows compatible

Software Specifications

One of the most difficult task is selecting software for the system, once the system requirements is found out then we have to determine whether a particular software package fits for those system requirements. The application requirement:

- Front end : python
- Back end : MySQL
- Operating system : windows 7 or above
- IDE : Pycharm